

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Withdrawn) A scaffold for regenerating a biological tissue by seeding tissue cells onto the scaffold and growing the tissue cells on the scaffold, comprising a semi-permeable membrane formed on an outer surface thereof and is 1 to 3mm in size.
2. (Withdrawn) The scaffold as set forth in claim 1, wherein the semi-permeable membrane is made of one selected from among alginates, polysaccharides, chitosan, agar powder and gelatin.
3. (Cancelled)
4. (Withdrawn) A method for preparing a scaffold comprising a semi-permeable membrane, comprising:
 - loading one or more scaffolds into a mold with a predetermined form and size;
 - and
 - adding a mixture of a semi-permeable agent and a cross-linking agent to the mold and cross-linking the semi-permeable agent to form the semi-permeable membrane on an outer surface of each of the scaffolds.
5. (Withdrawn) The method as set forth in claim 4, wherein the semi-permeable agent is selected from among alginates, polysaccharides, chitosan, agar powder and gelatin.
6. (Withdrawn) The method as set forth in claim 4, wherein the cross-linking agent is selected from among calcium chloride, tripolyphosphate and glutaraldehyde.
7. (Withdrawn) The method as set forth in claim 4, wherein the mold is made of Teflon.

8. (Currently Amended) A method of preparing a biological tissue, comprising:

seeding cells obtained from a tissue to be regenerated onto one or more scaffolds having an outer surface to produce a scaffold piece having a thickness of between about 1 to 3 mm;

loading a plurality of said scaffold pieces into the scaffolds seeded with the tissue cells into a molding container having [[with]] a predetermined form and size suitable for forming the biological tissue being produced and having a morphology of a tissue to be regenerated;

adding a semi-permeable agent selected from [[among]] the group consisting of alginates, polysaccharides, chitosan, and agar powder and gelatin and a cross-linking agent to the molding container, to form by [[the]] a cross-linking thereof, a semi-permeable membrane, permeable to nutrients[[,]];

gelating a semi-permeable agent on a on an overall outer surface of each of the scaffolds scaffold pieces loaded in the molding container to interconnect the scaffolds scaffold pieces with each other through the semi-permeable membrane; and

introducing nutrients into the scaffolds interconnected with the semi-permeable membrane, thus proliferating the tissue cells to produce a biological tissue.

9. (Cancelled)

10. (Currently Amended) The method as set forth in claim 8, wherein the cross-linking agent is selected from [[among]] the group consisting of calcium chloride, tripolyphosphate and glutaraldehyde.

11. (Currently Amended) The method as set forth in claim 8, wherein the molding container is made of Teflon polytetrafluoroethylene.

12. (Withdrawn) A biological tissue prepared using the scaffold comprising the semi-permeable membrane according to claim 1

13-14. (Cancelled)